

# HYDRODYNAMICALLY BALANCED AND RETRACTABLE RUDDER FOR SMALL BOATS

A hydrodynamically balanced and fully retractable rudder for small boats for creating a device which enhances small boat performance (kayaks, small sailing craft, canoes and similar craft) which provides a high power, low drag, and low input force mechanism to aid control performance of small boats -- by creating a particularly boomerang shaped, retractable rudder blade which can travel from the deck or other stowed position of the boat to the underside, generally rear of the boat, and align under with the hinge pin of the rudder providing a fully 'balanced' rudder effect, with the shaft of the hinge mating to the wide section of the foil that comprises the rudders ideal, most effective cross section.